Checklist of the Bryophytes of Algonquin Provincial Park

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Checklist of the Bryophytes of Algonquin Provincial Park

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Algonquin Park is situated in central Ontario on the Canadian Shield. Its 7571 square kilometres occupy part of the District of Nipissing and northern Haliburton County. The park can be divided conveniently into two regions. The western side of the park lies on the Algonquin dome, an area of relatively high elevations, mostly between 395 m. and 490 m. above sea level. Hardwood forests growing on rich soils are characteristic. To the east the land falls toward the Ottawa Valley and on the park's eastern border 180 m. elevations may be found. Coniferous forests growing on extensive sand deposits are conspicuous. The influence of both the Ottawa Valley and the ancient Fossmill Outlet of glacial Lake Algonquin enriches the flora in this region significantly.

The following revised list contains 181 species of mosses and 76 species of liverworts. The moss families are numbered and arranged in the sequence found in "Checklist of the Mosses of Ontario" (Ireland and Cain, 1975: National Museum of Canada, Publications in Botany, No. 5), and the liverwort families are numbered and arranged according to "The Hepaticae and Anthocerotae of North America" (Schuster, 1953, 1969). Genera and species are listed alphabetically. Authorities have been omitted to save space. Moss identifications have been verified by Dr. R.R. Ireland at the National Museum of Natural Sciences (CANM), and liverwort identifications have been verified by Mr. H. Williams of Millbrook, Ontario. Their continued assistance is greatly appreciated. We also acknowledge the assistance of Mr. D.F. Brunton and Mr. H.L. Dickson in the production of past and present editions of this list. All species listed without an asterisk are represented by specimens in the herbarium of the Algonquin Park Museum (APM). Species marked with '*' are supported by verified specimens in the herbaria at the National Museum (CANM), the University of Toronto (TRTC), or in the personal collection of Mr. H. Williams.

Bryophytes may be found in a wide variety of habitats, including rock surfaces, exposed soil, logs and humus in woods, bark of living trees, bogs, and water of streams and pools. Our knowledge of the bryophytes in Algonquin Park is far from complete, and it is hoped that, with increased data, this list will continually be revised. Any records of additional species of bryophytes will be welcomed at the Algonquin Park Museum.

Mosses

Sphagnaceae (1)

Sphagnum
- ___ cuspidatum*
- ___ fallax
- ___ fimbriatum
- ___ fuscum
- ___ girgensohnii
- ___ magellanicum
- ___ nemoreum
- ___ palustre
- ___ papillosum*
- ___ quinquefarium*
- ___ russowii
- ___ squarrosum
- ___ subsecundum
- ___ warnstorfii*
- ___ wulfianum*

Andreaeaceae (2)

Andreaea
- ___ rupestris

Fissidentaceae (3)

Fissidens
- ___ adiantoides
- ___ cristatus
- ___ osmundoides*
- ___ viridulus*

Ditrichaceae (4)

Ceratodon
- ___ purpureus

Distichium
- ___ capillaceum

Ditrichum
- ___ lineare
- ___ pusillum

Pleuridium
- ___ subulatum*

Saelania
- ___ glaucescens*

Seligeriaceae (5)

Blindia
- ___ acuta

Dicranaceae (6)

Cynodontium
- ___ alpestre
- ___ strumiferum*

Dicranella
- ___ heteromalla
- ___ schreberiana*
- ___ varia*

Dicranum
- ___ flagellare
- ___ fulvum
- ___ fuscescens
- ___ montanum
- ___ ontariense
- ___ polysetum
- ___ scoparium
- ___ undulatum*
- ___ viride

Oncophorus
- ___ wahlenbergii

Paraleucobryum
- ___ longifolium

Rhabdoweisia
- ___ crispata

Trematodon
- ___ ambiguus

Leucobryaceae (7)

Leucobryum
- ___ glaucum

Encalyptaceae (8)

Encalypta
- ___ ciliata

Pottiaceae (9)

Acaulon
- ___ muticum*

Bryoerythrophyllum
- ___ recurvirostrum*

Oxystegus
- ___ tenuirostre

Tortella
- ___ tortuosa*

Weissia
- ___ controversa

Grimmiaceae (10)

Grimmia
- ___ agassizii
- ___ alpicola
- ___ apocarpa*
- ___ unicolor

Rhacomitrium
- ___ aciculare
- ___ fasciculare*
- ___ heterostichum

Funariaceae (12)

Funaria
- ___ hygrometrica

Splachnaceae (13)

Splachnum
- ___ ampullaceum*

Tetraplodon
- ___ angustatus

Schistostegacea (14)

Schistostega
- ___ pennata*

Bryaceae (15)

Bryum
- ___ argenteum*
- ___ caespiticium
- ___ capillare*
- ___ creberrimum
- ___ pseudotriquetrum
- ___ uliginosum*
- ___ weigelii*

Leptobryum
- ___ pyriforme*

Pohlia
- ___ annotina
- ___ cruda
- ___ elongata
- ___ nutans

Rhodobryum
- ___ ontariense

Mniaceae (16)

Mnium
- ___ marginatum*
- ___ spinulosum
- ___ stellare

Plagiomnium
___ ciliare
___ cuspidatum
___ drummondii*
___ medium

Pseudobryum
___ cinclidioides

Rhizomnium
___ appalachianum
___ punctatum

Aulacomniaceae (17)

Aulacomnium
___ androgynum*
___ palustre

Bartramiaceae (20)

Bartramia
___ pomiformis

Philonotis
___ fontana

Orthotrichaceae (23)

Amphidium
___ lapponicum*

Orthotrichum
___ anomalum*
___ ohioense*
___ stellatum*

Ulota
___ coarctata*
___ crispa

Fontinalaceae (24)

Dichelyma
___ falcatum

Fontinalis
___ antipyretica
___ dalecarlica*
___ duriaei
___ novae-angliae
___ sphagnifolia*

Climaciaceae (25)

Climacium
___ dendroides

Hedwigiaceae (26)

Hedwigia
___ ciliata

Leucodontaceae (28)

Leucodon
___ brachypus*

Neckeraceae (29)

Homalia
___ trichomanoides

Neckera
___ pennata

Leskeaceae (32)

Leskea
___ polycarpa*

Leskeeila
___ nervosa

Pseudoleskeella
___ catenulata*

Pterigynandrum
___ filiforme

Thuidiaceae (33)

Anomodon
___ attenuatus*
___ rugelii
___ viticuloides*

Helodium
___ blandowii*
___ paludosum*

Heterocladium
___ dimorphum*

Rauiella
___ scita

Thuidium
___ delicatulum
___ recognitum*

Amblystegiaceae (34)

Amblystegium
___ varium

Calliergon
___ cordifolium

Campylium
___ chrysophyllum
___ hispidulum
___ stellatum*

Drepanocladus
___ exannulatus
___ fluitans*
___ uncinatus

Hygroamblystegium
___ fluviatile
___ tenax*

Hygrohypnum
___ eugyrium

Platydictya
___ subtile

Sciaromium
___ lescurii

Brachytheciaceae (35)

Brachythecium
___ campestre
___ curtum*
___ plumosum
___ populeum*
___ reflexum
___ rivulare*
___ salebrosum

Bryhnia
___ novae-angliae

Eurhynchium
___ pulchellum
___ riparioides

Entodontaceae (36)

Pleurozium
___ schreberi

Plagiotheciaceae (37)

Plagiothecium
___ cavifolium
___ denticulatum
___ laetum
___ latebricola*

Sematophyllaceae (38)

Brotherella
___ recurvans

Hypnaceae (39)

Callicladium
___ haldanianum

Herzogiella
___ striatella
___ turfacea

Hypnum
___ fertile*

___ imponens*
___ lindbergii
___ pallescens

Isopterygiopsis
___ muelleriana

Isopterygium
___ elegans

Platygyrium
___ repens

Ptilium
___ crista-castrensis

Pylaisiella
___ intricata*
___ polyantha

Rhytidiaceae (40)

Rhytidiadelphus
___ triquetrus*

Rhytidium
___ rugosum

Hylocomiaceae (41)

Hylocomium
___ splendens

Diphysciaceae (43)

Diphyscium
___ foliosum

Tetraphidaceae (44)

Tetradontium
___ brownianum*

Tetraphis
___ pellucida

Polytrichaceae (45)

Atrichum
___ altecristatum
___ crispum
___ oerstedianum
___ tenellum*

Pogonatum
___ alpinum
___ pensilvanicum
___ urnigerum

Polytrichum
___ commune
___ juniperinum
___ longisetum*
___ ohioense
___ piliferum
___ strictum

Total: 181 Species

Liverworts

Blepharostomaceae (5)

Blepharostoma
___ trichophyllum

Ptilidium
___ ciliare
___ pulcherrimum

Trichocoleaceae (11)

Trichocolea
___ tomentella*

Lepidoziaceae (13)

Bazzania
___ trilobata

Lepidozia
___ reptans

Calypogeiaceae (14)

Calypogeia
___ integristipula
___ sphagnicola*

Lophoziaceae (15)

Anastrophyllum
___ helleranum
___ michauxii*
___ minutum

Lophozia
___ alpestris*
___ ascendens*
___ attenuata
___ barbata
___ bicrenata
___ capitata
___ excisa*
___ hatcheri*
___ heterocolpos*
___ incisa*
___ kunzeana
___ longidens*
___ porphyroleuca*
___ ventricosa

Tritomaria
___ exsecta*
___ exsectiformis*
___ quinquedentata

Jungermanniaceae (16)

Jamesoniella
___ autumnalis

Jungermannia
___ lanceolata

Mylia
___ anomala*

Solenostoma
___ gracillimum

Marsupellaceae (18)

Marsupella
___ emarginata*
___ paroica
___ sphacelata*

Scapaniaceae (19)

Diplophyllum
___ apiculatum

Scapania
___ irrigua*
___ mucronata*
___ nemorosa
___ paludicola*
___ subalpina*
___ undulata

Lophocoleaceae (23)

Geocalyx
___ graveolens

Harpanthus
—— scutatus*

Lophocolea
—— heterophylla

Plagiochilaceae (25)

Plagiochila
—— asplenioides

Cephaloziaceae (29)

Cephalozia
—— bicuspidata*
—— catenulata*
—— media
—— pleniceps*

Cladopodiella
—— fluitans*

Nowellia
—— curvifolia

Cephaloziellaceae (30)

Cephaloziella
—— rubella

Adelanthaceae

Odontoschisma
—— denudatum*

Radulaceae (33)

Radula
—— complanata

Porellaceae (34)

Porella
—— platyphylloidea

Frullaniaceae (35)

Frullania
—— asagrayana*
—— eboracensis
—— selwyniana*

Lejeuneaceae (37)

Cololejeunea
—— biddlecomiae

Lejeunea
—— cavifolia*

Fossombroniaceae (40)

Fossombronia
—— dumortierii*

Blasiaceae (41)

Blasia
—— pusilla

Dilaenaceae (42)

Pallavicinia
—— lyellii

Pellia
—— epiphylla
—— neesiana*

Riccardia
—— latifrons
—— multifida*
—— pinguis*

Metzgeriaceae (45)

Metzgeria
—— conjugata*
—— furcata*

Grimaldiaceae (53)

Reboulia
—— hemisphaerica*

Conocephalaceae (54)

Conocephalum
—— conicum

Marchantiaceae (60)

Marchantia
—— polymorpha

Preissia
—— quadrata

Ricciaceae

Ricciocarpus
—— natans

Total: 76 Species

Other Algonquin Park Publications

This technical bulletin is only one of many publications published in cooperation with the Ministry of Natural Resources by The Friends of Algonquin Park. The Friends is a registered charitable organization with a volunteer board of directors and was established in 1983 to assist the Park with its educational and interpretive programs.

The following is a list of official Park publications available at The Friends' two bookstores (located at the Park Museum and the Pioneer Logging Exhibit) or by writing to the address below.

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